

# Roaming communication system over Internet with remote hosts and related method

## Abstract

A method of routing data between IP-based telephone extensions in a telecommunications network. A remote host connected to a first remote telephone group connects with a main host through the Internet. A source IP-based telephone in the first remote telephone group generates data packets with for contacting a destination IP-based telephone in the second remote telephone group and transmits the data packets to the remote host. The remote host transmits the data packets to the main host, and the main host transmits the data packets to the destination IP-based telephone in the second remote telephone group for establishing communication between the source IP-based telephone in the first remote telephone group and the destination IP-based telephone in the second remote telephone group.